


 National Transportation Safety Board FACTUAL REPORT AVIATION		NTSB ID: DEN03LA024		Aircraft Registration Number: N252DR	
		Occurrence Date: 12/10/2002		Most Critical Injury: None	
		Occurrence Type: Accident		Investigated By: NTSB	
Location/Time					
Nearest City/Place Eagle	State CO	Zip Code 81637	Local Time 1115	Time Zone MST	
Airport Proximity: On Airport		Distance From Landing Facility:		Direction From Airport:	
Aircraft Information Summary					
Aircraft Manufacturer Mooney		Model/Series M20K		Type of Aircraft Airplane	
Sightseeing Flight: No			Air Medical Transport Flight: No		
Narrative					
<p>Brief narrative statement of facts, conditions and circumstances pertinent to the accident/incident:</p> <p>On December 10, 2002, about 1115 mountain standard time, a Mooney M20K, N252DR, registered to and operated by Flying M-U-2, Inc., was substantially damaged during a forced landing following a loss of engine power at the Eagle County Airport, Eagle, Colorado. The private and student pilot were not injured. Day visual meteorological conditions prevailed, and a VFR flight plan had been filed for the personal flight being conducted under Title 14 CFR Part 91. The flight had just originated and was en route to Waco, Texas.</p> <p>According to the pilot's accident report, about 10 seconds after the airplane lifted off the runway, he realized "the cowl plugs had been left in the cowl holes. Fearing engine/propeller entanglement with [the] cord connecting the two front plugs, [he] attempted to reland on [the] same runway." The airplane touched down but there was insufficient runway remaining to come to a safe stop. The pilot elected to abort the landing, resulting in the airplane "not regaining the air." The airplane went off the end of the runway and traveled about 300 feet across rough terrain before the nose landing gear collapsed.</p> <p>After NTSB was notified of the accident, the pilot was contacted via telephone and asked what had happened. He said that after the airplane lifted off the runway and had climbed 50 feet, the engine lost power. He attempted to land on the 2,000 feet of runway remaining. The airplane touched down, traveled approximately 300 feet before going off the end onto soft, muddy ground. Airport emergency personnel who responded reported to NTSB that they found the protective coverings for the engine air scoops still in place. Postaccident examination further revealed wrinkling of the fuselage behind the firewall, and a 4-inch hole in the fuselage. The horizontal stabilizer was also damaged.</p>					
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Landing Facility/Approach Information						
Airport Name Eagle County Regional		Airport ID: EGE	Airport Elevation 6535 Ft. MSL	Runway Used 25	Runway Length 8000	Runway Width 150
Runway Surface Type: Asphalt						
Runway Surface Condition: Dry						
Type Instrument Approach: Unknown						
VFR Approach/Landing: Unknown						
Aircraft Information						
Aircraft Manufacturer Mooney		Model/Series M20K		Serial Number 25-1038		
Airworthiness Certificate(s): Normal						
Landing Gear Type: Retractable - Tricycle						
Homebuilt Aircraft? No		Number of Seats: 4		Certified Max Gross Wt. 3200 LBS	Number of Engines: 1	
Engine Type: Reciprocating		Engine Manufacturer: Continental		Model/Series: TS10-520-NB	Rated Power: 305 HP	
- Aircraft Inspection Information						
Type of Last Inspection Annual		Date of Last Inspection 08/2002	Time Since Last Inspection 54 Hours		Airframe Total Time 3534 Hours	
- Emergency Locator Transmitter (ELT) Information						
ELT Installed? Yes		ELT Operated? Yes		ELT Aided in Locating Accident Site? No		
Owner/Operator Information						
Registered Aircraft Owner Flying M-U-2, Inc.		Street Address 615 Baker La.				
		City Waco	State TX	Zip Code 76708		
Operator of Aircraft Same as Reg'd Aircraft Owner		Street Address Same as Reg'd Aircraft Owner				
		City	State	Zip Code		
Operator Does Business As:				Operator Designator Code:		
- Type of U.S. Certificate(s) Held: None						
Air Carrier Operating Certificate(s):						
Operating Certificate:			Operator Certificate:			
Regulation Flight Conducted Under: Part 91: General Aviation						
Type of Flight Operation Conducted: Personal						
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First Pilot Information																																																																																						
Name			City		State	Date of Birth	Age																																																																															
On File			On File		On File	On File	58																																																																															
Sex: M	Seat Occupied: Left		Principal Profession: Unknown			Certificate Number: On File																																																																																
Certificate(s): Private																																																																																						
Airplane Rating(s): Single-engine Land																																																																																						
Rotorcraft/Glider/LTA:																																																																																						
Instrument Rating(s): Airplane																																																																																						
Instructor Rating(s): None																																																																																						
Type Rating/Endorsement for Accident/Incident Aircraft? No					Current Biennial Flight Review? 03/2002																																																																																	
Medical Cert.: Class 3		Medical Cert. Status: Valid Medical--w/ waivers/lim.			Date of Last Medical Exam: 03/2001																																																																																	
<table border="1"> <tr> <th rowspan="2">- Flight Time Matrix</th> <th rowspan="2">All A/C</th> <th rowspan="2">This Make and Model</th> <th rowspan="2">Airplane Single Engine</th> <th rowspan="2">Airplane Multi-Engine</th> <th rowspan="2">Night</th> <th colspan="2">Instrument</th> <th rowspan="2">Rotorcraft</th> <th rowspan="2">Glider</th> <th rowspan="2">Lighter Than Air</th> </tr> <tr> <th>Actual</th> <th>Simulated</th> </tr> <tr> <td>Total Time</td> <td>1419</td> <td>900</td> <td>1419</td> <td></td> <td>45</td> <td>157</td> <td>64</td> <td></td> <td>4</td> <td></td> </tr> <tr> <td>Pilot In Command(PIC)</td> <td>1419</td> <td>900</td> <td>1419</td> <td></td> <td>45</td> <td>157</td> <td>64</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Instructor</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Last 90 Days</td> <td>35</td> <td>35</td> <td>35</td> <td></td> <td>1</td> <td>6</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Last 30 Days</td> <td>16</td> <td>16</td> <td>16</td> <td></td> <td></td> <td>2</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Last 24 Hours</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>								- Flight Time Matrix	All A/C	This Make and Model	Airplane Single Engine	Airplane Multi-Engine	Night	Instrument		Rotorcraft	Glider	Lighter Than Air	Actual	Simulated	Total Time	1419	900	1419		45	157	64		4		Pilot In Command(PIC)	1419	900	1419		45	157	64				Instructor											Last 90 Days	35	35	35		1	6					Last 30 Days	16	16	16			2					Last 24 Hours										
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Seatbelt Used? Yes		Shoulder Harness Used? Yes			Toxicology Performed? No		Second Pilot? No																																																																															
Flight Plan/Itinerary																																																																																						
Type of Flight Plan Filed: VFR																																																																																						
Departure Point		State		Airport Identifier		Departure Time		Time Zone																																																																														
Same as Accident/Incident Location				EGE		1115		MST																																																																														
Destination		State		Airport Identifier																																																																																		
Waco		TX		ACT																																																																																		
Type of Clearance: Unknown																																																																																						
Type of Airspace: Class D																																																																																						
Weather Information																																																																																						
Source of Briefing: Flight Service Station																																																																																						
Method of Briefing: Telephone																																																																																						


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Weather Information					
WOF ID	Observation Time	Time Zone	WOF Elevation	WOF Distance From Accident Site	Direction From Accident Site
EGE	1115	MST	6535 Ft. MSL	NM	Deg. Mag.
Sky/Lowest Cloud Condition: Clear				Ft. AGL	Condition of Light: Day
Lowest Ceiling: None			Ft. AGL	Visibility: 10 SM	Altimeter: 30.18 "Hg
Temperature: -8 °C	Dew Point: -12 °C	Wind Direction:		Density Altitude: 5103	Ft.
Wind Speed: Calm	Gusts:	Weather Conditions at Accident Site: Visual Conditions			
Visibility (RVR): Ft.	Visibility (RVV) SM	Intensity of Precipitation:			
Restrictions to Visibility: None					
Type of Precipitation: None					

Accident Information					
Aircraft Damage: Substantial		Aircraft Fire: None		Aircraft Explosion: None	
Classification: U.S. Registered/U.S. Soil					

- Injury Summary Matrix	Fatal	Serious	Minor	None	TOTAL
First Pilot				1	1
Second Pilot					
Student Pilot					
Flight Instructor					
Check Pilot					
Flight Engineer					
Cabin Attendants					
Other Crew					
Passengers				1	1
- TOTAL ABOARD -				2	2
Other Ground					
- GRAND TOTAL -				2	2

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Administrative Information		
<p>Investigator-In-Charge (IIC)</p> <p>Arnold W. Scott</p>		
<p>Additional Persons Participating in This Accident/Incident Investigation:</p> <p>Harold A Wayman Aviation Safety Inspector - Operations FAA Flight Standards District Office 26805 East 68th Avenue, Suite 200 Denver, CO 80249</p>		
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